

2011 DECT/CAT-iq Dev Conference

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Eindhoven, Netherlands

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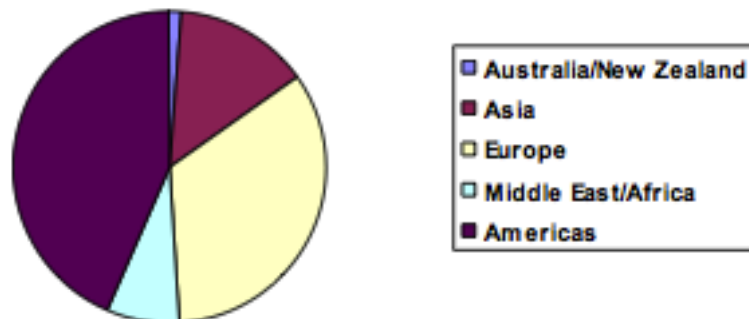
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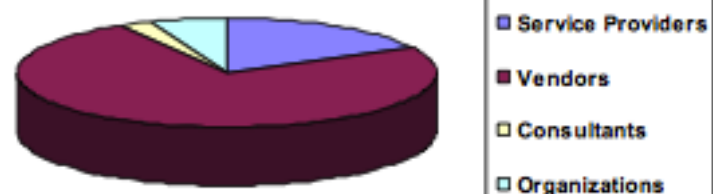


Forum Membership

Regional Membership

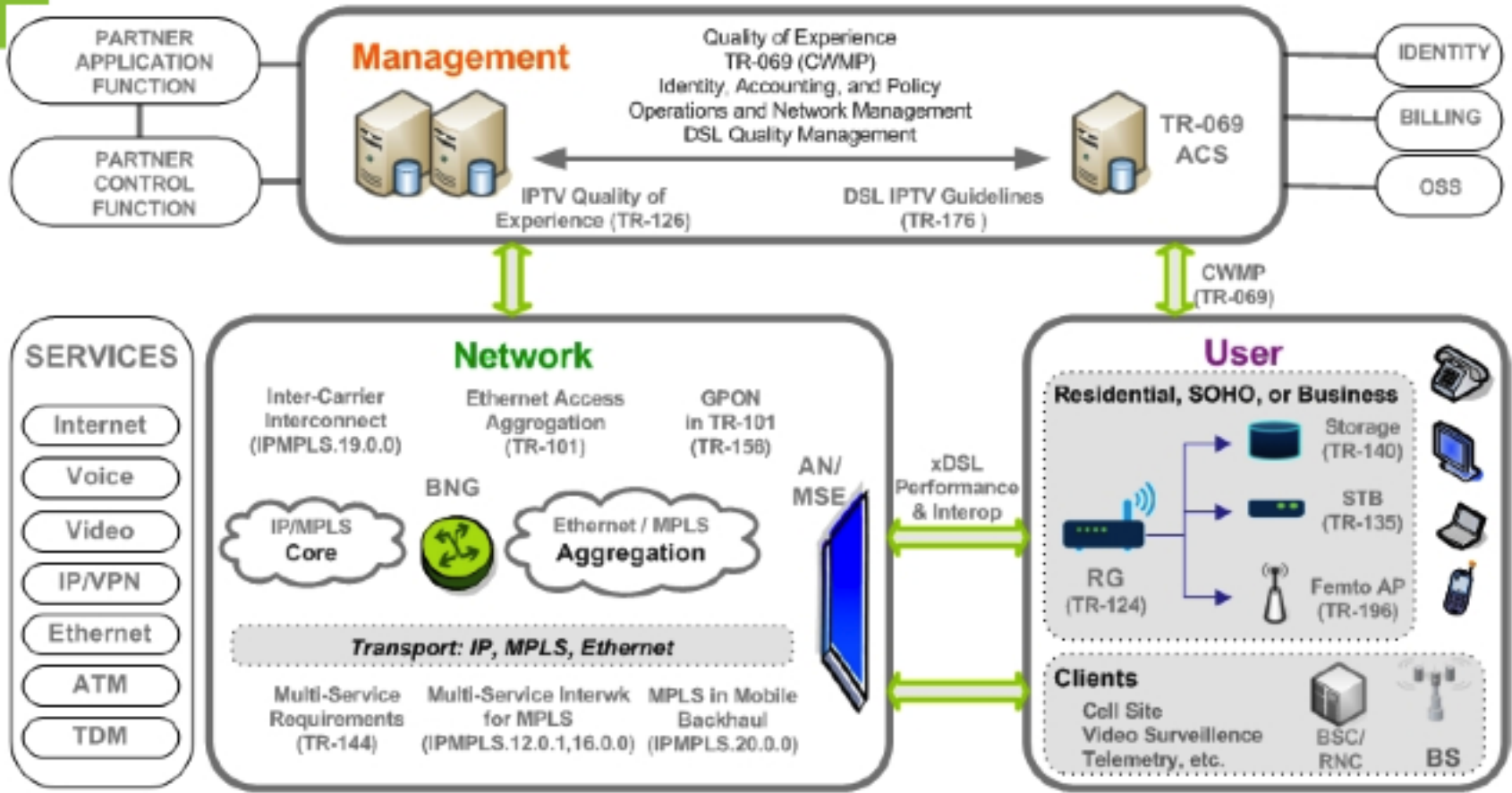


Industry Segment Breakdown



- 197 members (December 2009)
- Active Service Provider Action Council
- Committed to developing real world solutions for today's broadband service providers' requirements
 - Release Program
 - Surveys and membership polls for specific requirements and strategic importance

Broadband Forum Scope



BroadbandHome™

Remote Management Framework

broadband
suite™

management

network

user



OSS / BSS

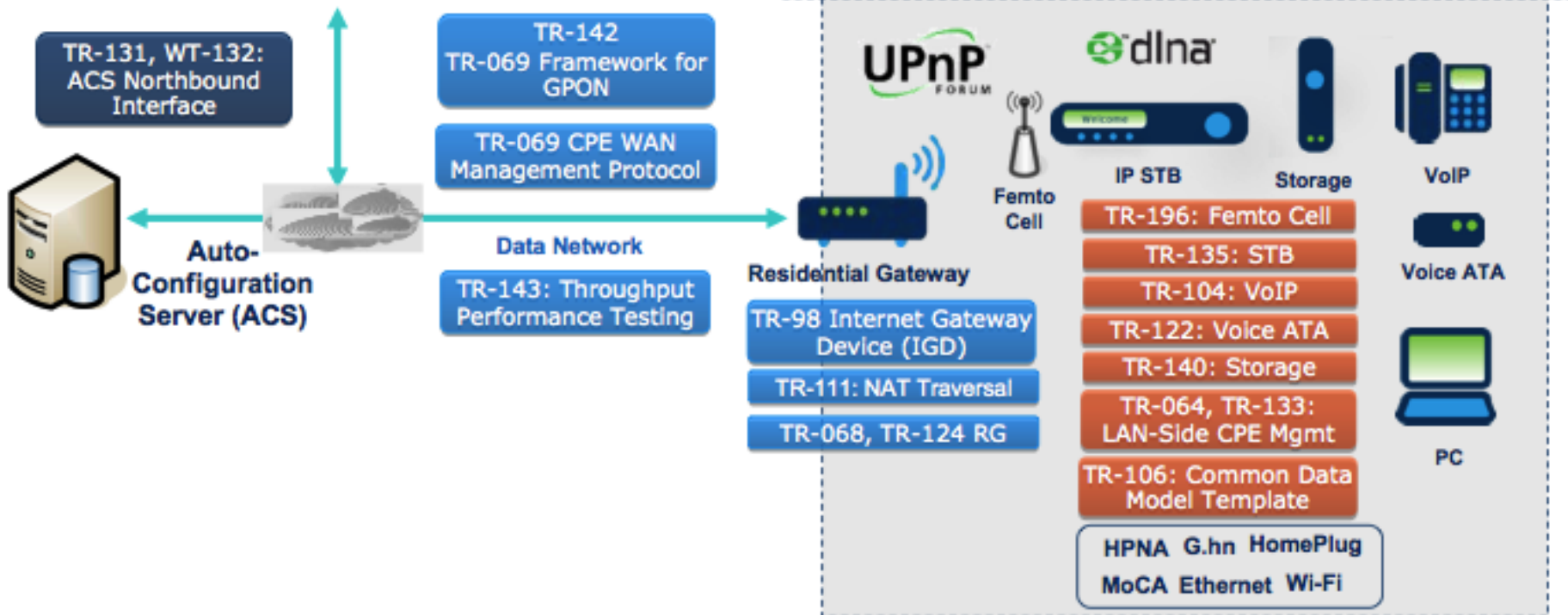


Policy

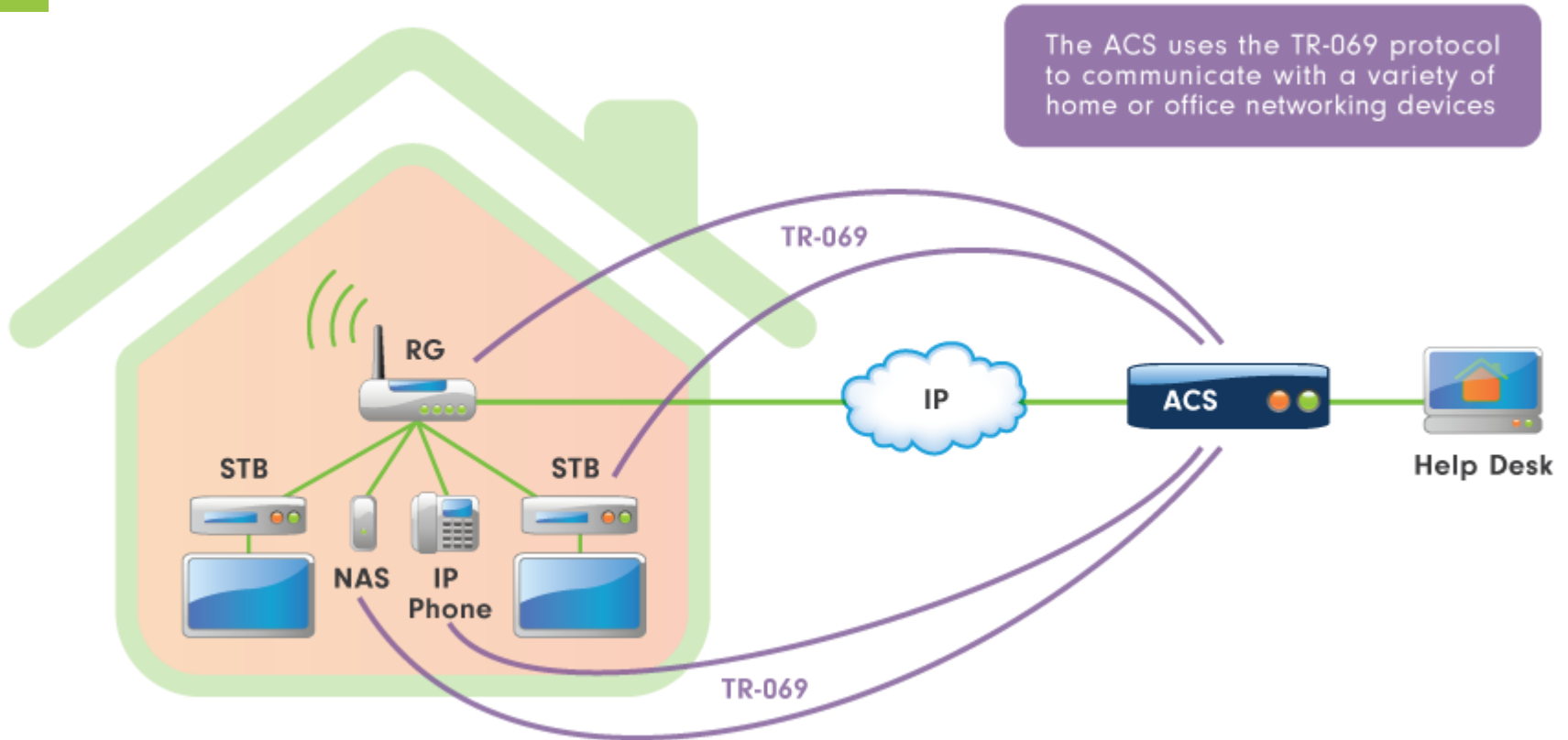


Call Center

Connected Home
Data, Voice, Video



Managing the connected home



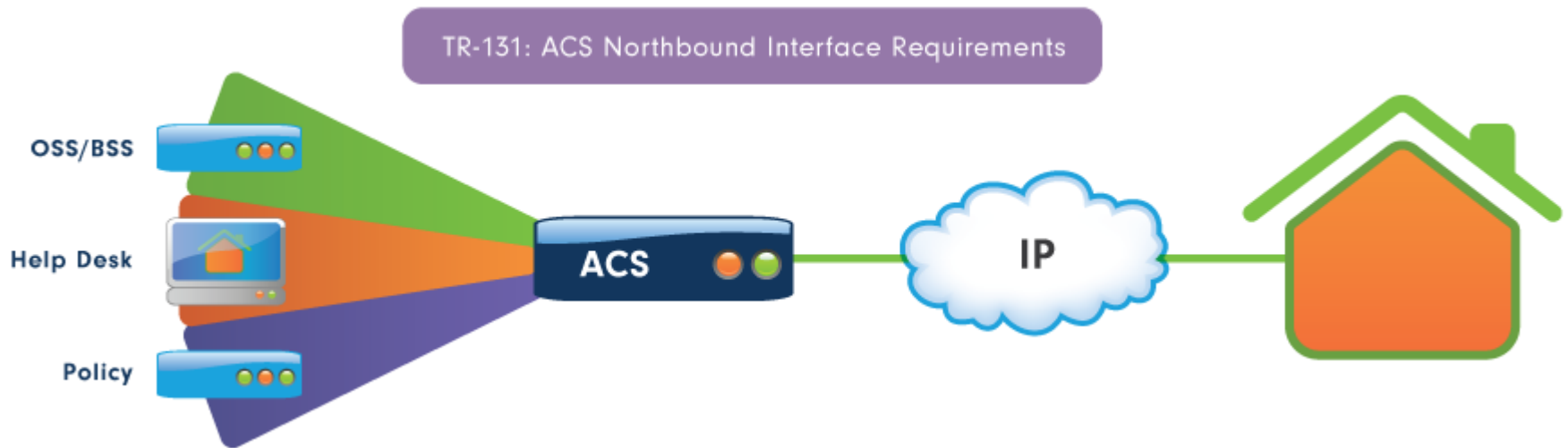
Data-models

Service Management

Data Model

Residential Gateway (RG)	TR-098
Device Data Model for TR-069	TR-181
Set-top Box (STB)	TR-135
Network Attached Storage (NAS)	TR-140
Femtocell	TR-196
Component Objects for CWMP	TR-157
IP Phones	TR-104

North-bound Interface





TR-069 Management Work Item Priorities

- WT-196: Updates to Femtocell Data Model
- WT-104: TR-104 Updates, including PBX
- PD-262: TR-069 Annex G Alternative (NAT traversal)
- PD-232: Bulk Data Collection
- IL-069: TR-069 Updates (PD-069 category 2 & 3)
- PD-157 : Proposed TR-069 Data model objects and
- parameters
- WT-123: TR-069 testing
- PD-140: TR-140 updates
- PD-143: TR-143 Updates
- PD-158: Email/Browser Objects

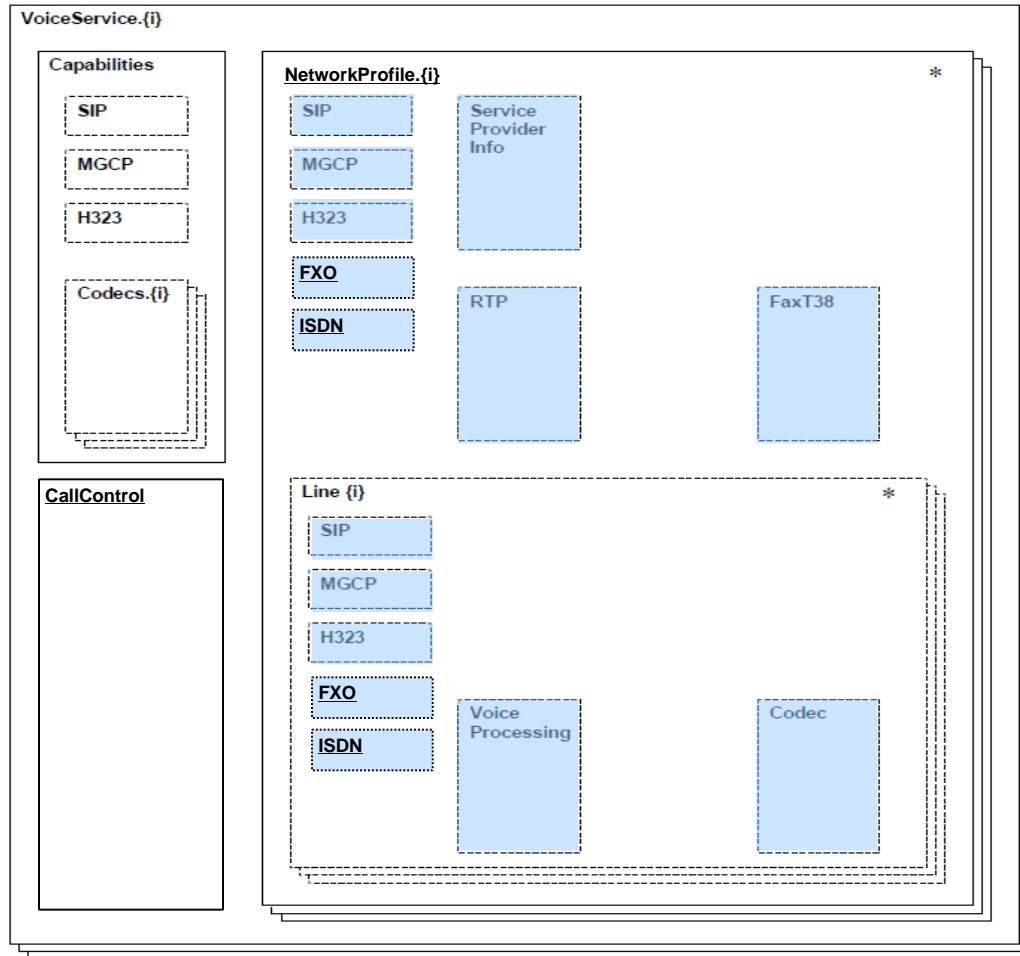
Straw ballots: WT-196a1 and Working Texts related to PD-174 (Proxy Management) and PD-199 (Object Addressing Extensions)

TR104 Issue 2 Draft

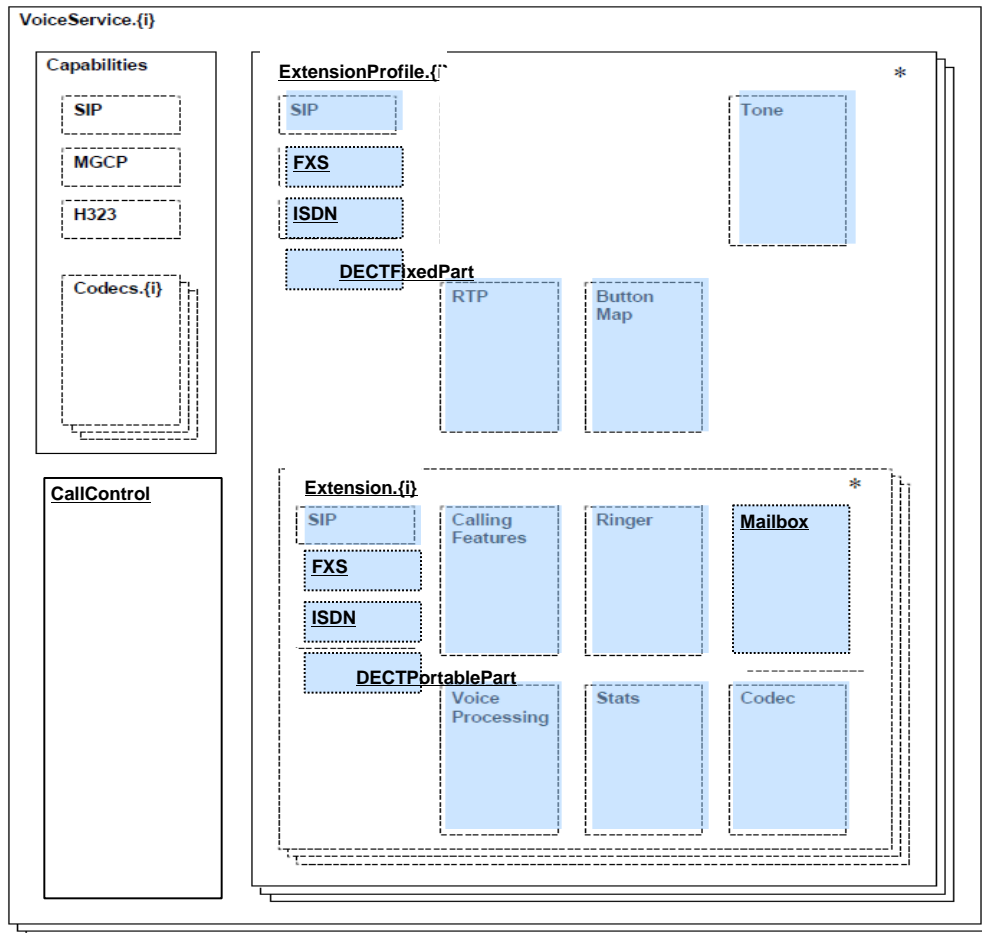
Goals

- IP-PBX
- SIP trunking
- SIP Registrar
- ISDN
- DECT/ CATiq
- Quality monitoring

TR104 Issue 2 Draft : Network side



TR104 Issue 2 Draft: Extension side



TR104 Issue 2 Draft: DECT/CAT-iq (1/3)

Name	Type	Write	Description	Object Default	Version
VoiceService.{i}.ExtensionProfile. {i}.DECTFixedPart.	object	-	This object is associated with the DECT basestation of the CPE. This is a single instance object and is statically created by the CPE. Applicable for both VoIP and PSTN Endpoints.	-	2.0
Enable	boolean	W	May be used to enable or disable the fixed part radio interface.	-	2.0
Status	string	-	Status of the fixed part radio interface. Enumeration of: <ul style="list-style-type: none"> • On • Off • Error 	-	2.0
Standard	string	-	The highest DECT protocol version supported by the fixed part. Enumeration of: <ul style="list-style-type: none"> • GAP • CAT-iq 1.0 • CAT-iq 2.0 • CAT-iq 2.1 • CAT-iq 3.0 	-	2.0
RFPI	hexBinary	-	Every handset frequently transmits this identity. The RFPI is a geographically unique 40 Bit number stored in a hexadecimal string. The format of the number is specified in [ETS_300_175-06] .	-	2.0
MaxSupportedPP	unsignedInt	W	The maximum number of PPs (Portable Parts or DECT Handsets) supported by the DECT Interface (viz., base station) of the CPE.	-	2.0
PIN	hexBinary	W	The PIN is an hexadecimal string of 32 bits, as defined in [ETS_102_527-3] . Reading this attribute is forbidden.	-	2.0
RepeaterSupportEnabled	boolean	-	If true, the DECT system supports the REP feature, as defined in [ETS_300_175-08] .	-	2.0
NEMOEnable	boolean	W	Enable or disable NEMO (No Emission Mode as defined in [ETS_102_527-3]) operation of the CPE. Note: NEMO operations can be successfully enabled only if all PPs registered to the CPE support the NEMO operations.	-	2.0
SubscriptionEnable	boolean	-	Enable the subscription mode of the DECT Interface. If true, the "subscription window" is open, otherwise is closed. When the "subscription window" is open, DECT portable part can be subscribed / registered to the DECT fixed part. When written as true, it forces the device to open the "subscription window". When the "subscription window" timeslot expires, the value must be returned to false. If the CPE user can open the "subscription window" with a specific command (i.e. via DECT Fixed Part GUI or pushing a button), the parameter must report the correct status (true, while the window is opened).	-	2.0

TR104 Issue 2 Draft: DECT/CAT-1q (2/3)

CipheringEnable	boolean	W	Enable or disable ciphering for the calls on the DECT domain.	-	2.0
EncryptionType	string	-	Algorithm used in the encryption process defined in [ETS_300_175-06] .	-	2.0
WaitingSubscription	boolean	W	<p>If <i>true</i>, the "subscription window" is open, otherwise is closed. When the "subscription window" is open, one (and only one) DECT Portable Part (handset) can be subscribed to the DECT Fixed Part (base station). When written as <i>true</i>, it forces the device to open the "subscription window". When the "subscription window" timeslot expires, the value MUST be returned to <i>false</i>.</p> <p>If the device user can open the "subscription window" with a specific command (i.e. via DECT Fixed Part GUI or pushing a button), the parameter MUST report the correct status (<i>true</i> while the window is opened).</p>	-	2.0
RFPowerControl	string	W	<p>This parameter is used to control the sending RF power as per the required range within the customer premises.</p> <p>When set to 'Reduced', the CPE shall undertake measures to reduce the transmission RF power. Enumeration of:</p> <ul style="list-style-type: none"> • <i>Normal</i> • <i>Reduced</i> 	-	2.0
FirmwareVersion	string(20)	-	Firmware version of the Fixed part as defined in [ETS_102_527-3]	-	2.0
EepromVersion	string(20)	-	EEPROM version of the Fixed part as defined in [ETS_102_527-3]	-	2.0
HardwareVersion	string(20)	-	Hardware version of the Fixed part as defined in [ETS_102_527-3]	-	2.0
VoiceService.{i}.ExtensionProfile. {i}.DECTFixedPart.stats	object	-	This object is associated with statistics collected from the DECT domain of the CPE. The collected statistics are common for all call scenarios.	-	2.0
Reset	boolean	W	When set to TRUE, resets the statistics of the DECT interface. Always FALSE when read.	-	2.0
Handovers	unsignedInt	-	The count of all successful handovers.	-	2.0
HandoverFailures	unsignedInt	-	The count of all failed handovers.	-	2.0
ControlFieldErrors	unsignedInt	-	The count of all bad A-field packets.	-	2.0
PayloadFieldErrors	unsignedInt	-	The count of all bad B-field packets.	-	2.0
SyncFailures	unsignedInt	-	The count of all synchronization failures during all calls.	-	2.0

TR104 Issue 2 Draft: DECT/CAT-iq (3/3)

VoiceService.(i).ExtensionProfile. (j).Extension.(i).DECTPortablePart.	object	-	Object used to managed informations of DECT phones connected.	-	2.0
Status	string	-	The current registration status of the DECT Handset. Enumeration of: <ul style="list-style-type: none"> • <i>In reach</i> • <i>Not in reach</i> 	-	2.0
InternationalPortableUserIdentity	hexBinary	-	This uniquely identifies the current user of the handset. A 40 to 100 Bit number stored in a hexadecimal string. The format of the number is specified in [ETS_300_175-06] .	-	2.0
InternationalPortableEquipmentIdentity (IPEI)	hexBinary	-	This uniquely identifies the handset equipment. A 36 Bit number stored in a hexadecimal string. The format of the number is specified in [ETS_300_175-06] .The International Portable Equipment Identify of the DECT Handset. This parameter is globally unique and identifies the handset. It is 36 bits long and it is embedded into the handset by the manufacturer. The IPEI values are programmed during production time of the DECT Handsets. IPEI is composed by the Equipment Manufacturer's Code (EMC), of 16 bits, followed by the Portable equipment Serial Number (PSN) of 20 bits. EMCs are allocated to each manufacturer by ETSI. Upper limit of EMC is 65 535. EMC = 0 shall not be used. PSNs shall be allocated by the manufacturer as a unique number for each EMC.	-	2.0
PortableAccessRightsKey	hexBinary	-	This describes handset access rights. A 31 Bit number stored in a hexadecimal string. The format of the number is specified in [ETS_300_175-07] .	-	2.0
RFPIAttachedTo	hexBinary	-	Refers to the DECTFixedPart object where this portable part is attached to.	-	2.0
HandsetType	string	-	Type of the handset. Enumeration of: <ul style="list-style-type: none"> • <i>GAP</i> • <i>CAT-iq 1.0</i> • <i>CAT-iq 2.0</i> • <i>CAT-iq 2.1</i> • <i>CAT-iq 3.0</i> 	-	2.0
SubscriptionTime	dateTime	-	The duration in which the DECT handset has been subscribed with the base.	-	2.0
Control	string	W	This parameter MAY be used by the ACS to control the registration status of the handset. When the 'Unregister' option is set, the CPE shall unregister the handset from the base, but shall retain the instance in the list. This is a temporary detachment procedure. When the 'Disable' option is set, the CPE shall unregister the handset from the base and remove the instance from the list of registered handsets. The handset may attempt a successful registration in future.	-	2.0
HardwareVersion	string(20)	-	Indicates the Hardware Version of a DECT handset. Maps with the handset HW Version identifier parameter, as defined in [ETS_102_527-4] .	-	2.0
SoftwareVersion	string(20)	-	Indicates the Software Version used by a DECT handset. Maps with the handset SW Version identifier parameter, as defined in [ETS_102_527-4] .	-	2.0
SoftwareUpgrade	boolean	-	This parameter indicates support for SUOTA (Software Update Over The Air).	-	2.0
LastUpdateDateTime	dateTime	-	Indicates the last successful SW update of the DECT handset. This is based on the reception of a FACILITY message (being part of the HS version indication procedure) from the handset containing another value of SW version than the current value in this table. This new SW version is then updated in this table.	-	2.0

TR104 Issue 2 Draft

TODO

- SUOTA - CWMP Download
- Display features?

Questions? Suggestions?

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